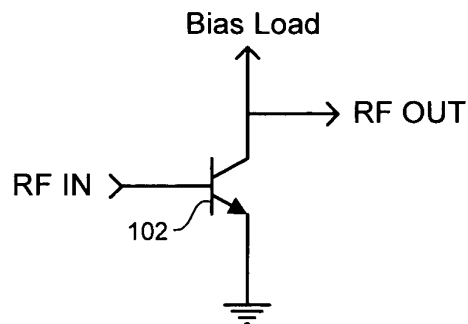


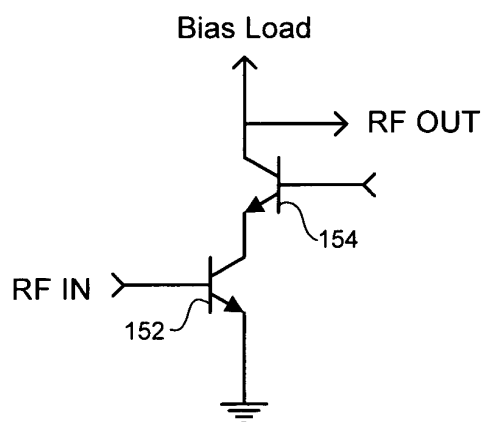
**Fig. 1A**  
(Prior Art)

Single Stage LNA



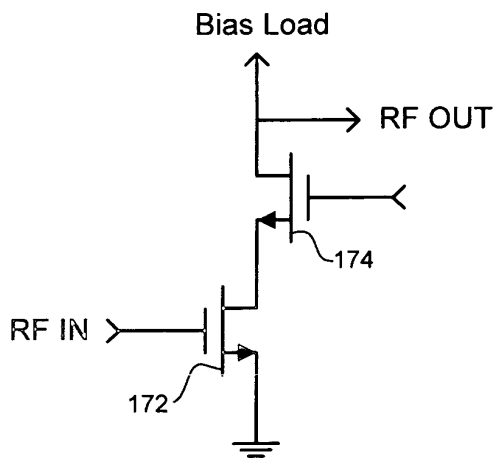
**Fig. 1B**  
(Prior Art)

Bipolar Cascode LNA



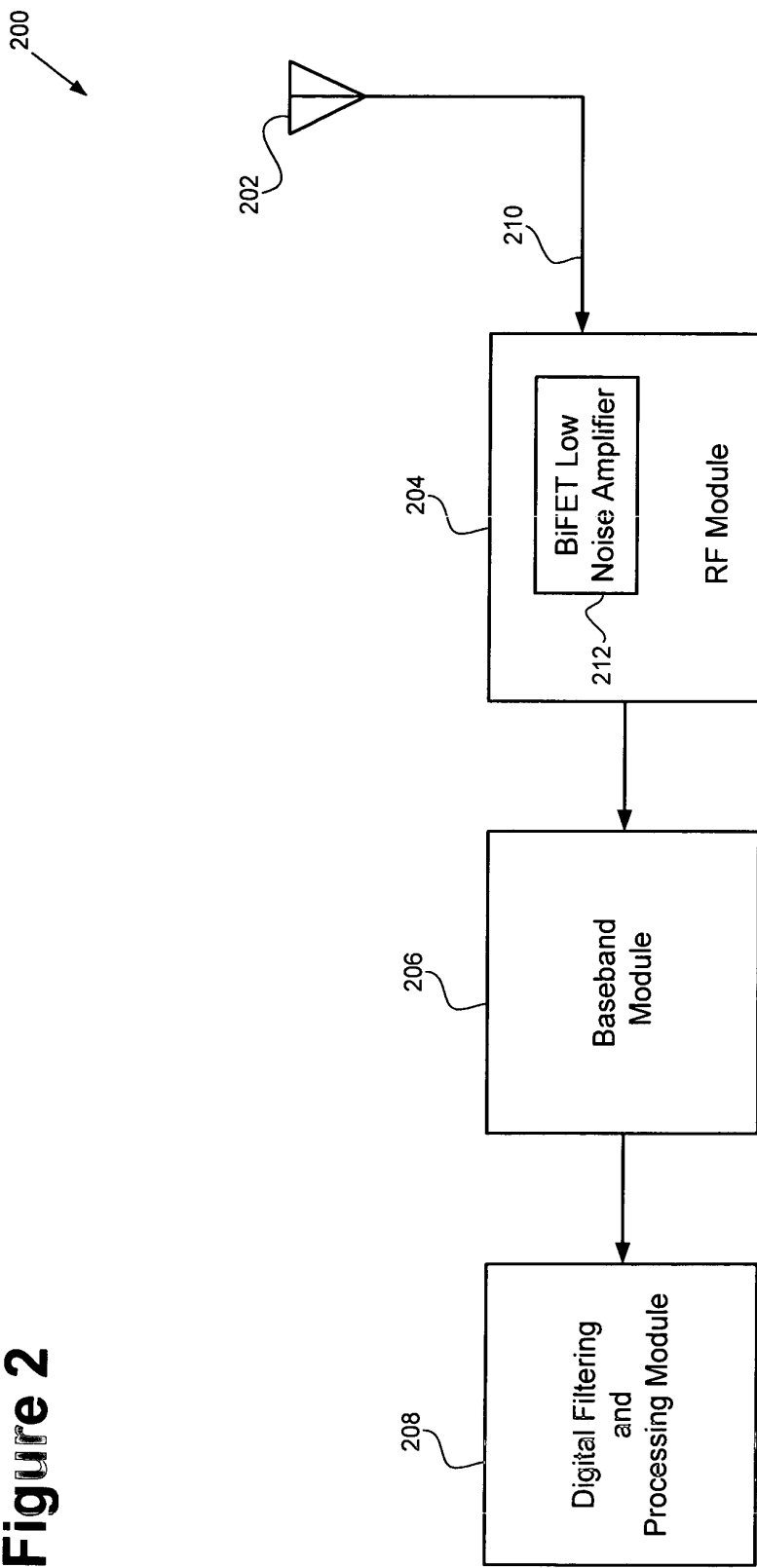
**Fig. 1C**  
(Prior Art)

FET Cascode LNA



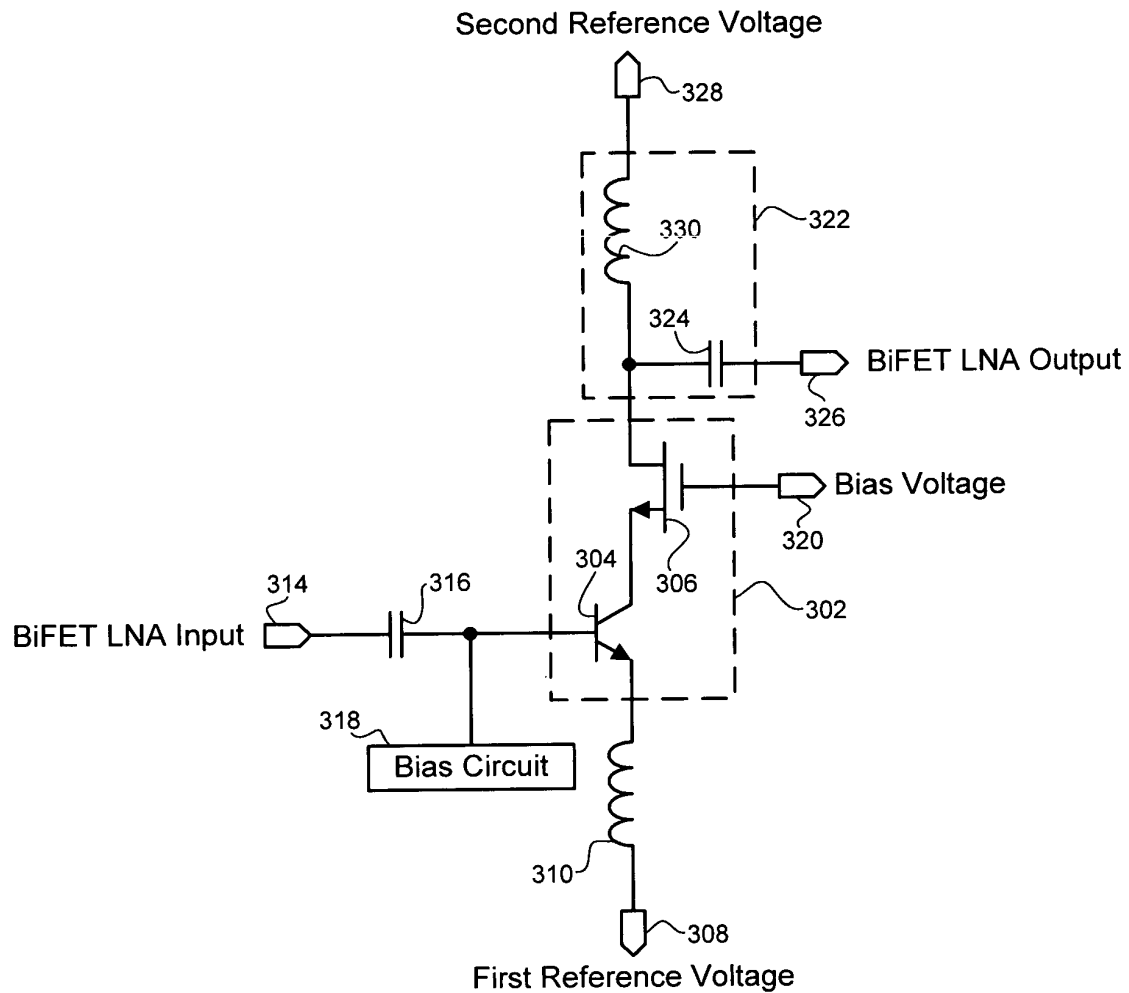
10057098-012302

Figure 2



**Fig. 3**

312



# Fig. 4

400

402 LNA Configuration	414 Bias Current	416 Power Gain	418 Noise Figure (NF)	420 Linearity (IIP3)
404 Single Stage LNA	~ 3.0 mA	~ 14.0 dB	~ 1.3 dB	~ -4.0 dBm
406 Bipolar Cascode LNA	~ 3.0 mA	> 14.0 dB	> 1.3 dB	< -4.0 dBm
408 Bipolar Cascade LNA	~ 6.0 mA	*	*	*
412 BiFET LNA	~ 3.0 mA	~ 19.0 dB	1.2 dB	7.3 dBm

202210-86025001